

**Supplemental
Notice of Allowability**

Application No.

10/808,212

Examiner

MARSHALL MCLEOD

Applicant(s)

SHKVARCHUK ET AL.

Art Unit

2457

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/15/2009.
2. ☒ The allowed claim(s) is/are 1-20,34-41 and 55-79.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>11/18/2009</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

/Ramy M Osman/
Primary Examiner, Art Unit 2457

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph M. Villeneuve on Wednesday, November 18, 2009.

21-33. (Canceled)

42-54. (Canceled)

56. (New) The computer-implemented method of claim 34, wherein translating includes one or more of the following operations:

translating a types part of the first web service description language file into a types part of the second web service description language file,

translating a message part of the first web service description language file into a message part of the second web service description language file,

translating a port type part of the first web service description language file into a port type part of the second web service description language file,

translating a bindings part of the first web service description language file into a bindings part of the second web service description language file, and

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translating a service part of the first web service description language file into a service part of the second web service description language file.

57. (New) The computer-implemented method of claim 56, wherein translating a types part comprises:

preserving any data structures defined in the first web service description language file in the second web service description language file.

58. (New) The computer-implemented method of claim 56, wherein translating a types part comprises:

adding an acknowledge element in the asynchronous web service description language file, the acknowledge element describing an acknowledgement that is returned when a request is asynchronously posted to the conversion engine by the client machine.

59. (New) The computer-implemented method of claim 58, wherein the acknowledgement includes a correlation identifier.

60. (New) The computer-implemented method of claim 59, wherein the correlation identifier is one or more of: a session identifier, a token, and a call identifier.

61. (New) The computer-implemented method of claim 56, wherein translating a message part comprises:

adding messages to the asynchronous web service description language file that are particular to asynchronous communication, the messages including one or more of: a message for returning an acknowledgement response, a message for polling, a message for acknowledging a received request, and a message for acknowledging a response from a web service.

62. (New) The computer-implemented method of claim 61, wherein the message for polling includes one or more of: a message for polling using a session identifier, a message for polling using a topic, and a message for polling using a token.

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63. (New) The computer-implemented method of claim 56, wherein translating a port type part comprises:

inserting a port type for asynchronous post operations and a port type for asynchronous poll operations into the second web service description language file.

64. (New) The computer-implemented method of claim 63, wherein the port type contains one or more of the following polling options: polling by session identifier, polling by topic, and polling by token.

65. (New) The computer-implemented method of claim 56, wherein translating a bindings part comprises:

inserting binding for a post port type;

inserting a binding for a poll port type; and

setting an encoding for messages that include the port types to reflect the encoding used by the conversion engine.

66. (New) The computer-implemented method of claim 56, wherein translating a service part comprises:

adding an asynchronous post port with a first uniform resource locator addressing the conversion engine, and an asynchronous poll port with a second uniform resource locator to the conversion engine.

67. (New) The computer-implemented method of claim 56, wherein translating comprises:

using a template stored in the conversion engine for translating at least part of the synchronous web service description language file into the asynchronous web service description language file.

68. (New) The computer program product of claim 55, wherein the instructions to translate include instructions to perform one or more of:

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translate a types part of the first web service description language file into a types part of the second web service description language file,

translate a message part of the first web service description language file into a message part of the second web service description language file,

translate a port part of the first web service description language file into a port part of the second web service description language file,

translate a bindings part of the first web service description language file into a bindings part of the second web service description language file, and

translate a service part of the first web service description language file into a service part of the second web service description language file.

69. (New) The computer program product of claim 68, wherein the instructions to translate a types part comprise instructions to:

preserve any data structures defined in the first web service description language file in the second web service description language file.

70. (New) The computer program product of claim 68, wherein the instructions to translate a type part comprise instructions to:

add an acknowledge element in the asynchronous web service description language file, the acknowledge element describing an acknowledgement that is returned when a request is asynchronously posted to the conversion engine by the client machine.

71. (New) The computer program product of claim 70, wherein the acknowledgement includes a correlation identifier.

72. (New) The computer program product of claim 71, wherein the correlation identifier is one or more of: a session identifier, a token, and a call identifier.

73. (New) The computer program product of claim 68, wherein the instructions to translate a message part comprise instructions to:

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add messages to the asynchronous web service description language file that are particular to asynchronous communication, the messages including one or more of: a message for returning an acknowledgement, a message for polling, a message for acknowledging a received request, and a message for acknowledging a response from a web service.

74. (New) The computer program product of claim 73, wherein the message for polling includes one or more of: a message for polling using a session identifier, a message for polling using a topic, a message for polling using a token.

75. (New) The computer program product of claim 68, wherein the instructions to translate a port part comprise instructions to:

insert a post port for asynchronous operation and a poll port for asynchronous operation into the second web service description language file.

76. (New) The computer program product of claim 75, wherein the port type contains one or more of the following polling options: polling by session identifier, polling by topic, and polling by token.

77. (New) The computer program product of claim 68, wherein the instructions to translate a bindings part comprise instructions to:

insert a binding for a post port type;

insert a binding for a poll port type; and

set an encoding for the messages that include the port types to reflect the encoding used by the conversion engine.

78. (New) The computer program product of claim 68, wherein the instructions to translate a service part comprise instructions to:

add an asynchronous post port with a first uniform resource locator addressing the conversion engine, and an asynchronous poll port with a second uniform resource locator to the conversion engine.

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79. (New) The computer program product of claim 68, wherein the instructions to translate comprise instructions to:

use a template stored in the conversion engine for translating at least part of the synchronous web service description language file into the asynchronous web service description language file.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: of claims 1-20, 34-41, and 55-79.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claims 1-20, 34-41, and 55-79 are allowed because the prior art of record fails to reasonably teach, singly or in combination, translating an existing asynchronous WSDL into a synchronous WSDL, and converting a subsequent synchronous request for information from a client to an asynchronous request for the web service to which the request was directed.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARSHALL MCLEOD whose telephone number is (571)270-3808. The examiner can normally be reached on Monday - Thursday 6:30 a.m-4:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ramy M Osman/
Primary Examiner, Art Unit 2457

/Marshall McLeod/
Examiner, Art Unit 2457
11/20/2009